EOS 5D Mark III

Image Quality

22.3 Megapixels Full-Frame CMOS Sensor

Newly-developed full-frame 22.3 Megapixel Canon CMOS sensor has been completely redesigned for high resolution and improved performance:

- Resolution: 5784 x 3861 pixels
- Pixel Size: 6.25µm square, with superior S/N ratio
- 8-channel signal readout for superior continuous shooting
- EOS Integrated Cleaning System

DIGIC 5+ Image Processor

The Canon DIGIC 5+ Image Processor delivers improved data handling and significantly faster performance:

- New algorithms improve noise reduction at higher ISO speeds.
- Offers real time compensation for chromatic aberration (both lateral and axial) in both still and motion recording.
- ISO performance is dramatically improved offering a range of 100–25600, expandable to ISO 50 (L), 5120000 (H1), 102400 (H2).
- Noise level at ISO 25600 is nearly equivalent to EOS 5D Mark II at ISO 6400.

Performance & Reliability

61-Point High Density Reticular AF

New multi-zone, wide area AF has 61 points, including 41 cross-type points:

- 5 central dual cross-type points (f/2.8 diagonal)
- 21 central cross-type points (f/5.6 horizontal & vertical)
- 20 outer cross-type points (f/4 horizontal)

The number of cross-type points will vary depending on the lens used.
The AF area is wider with less space between AF points. As a result, subject tracking is greatly improved. With an entirely new AF unit and optical system, focus is exceptionally accurate, no matter the lens. AF system low-light sensitivity has also been significantly improved with a minimum EV of -2 (for a central point with an f/2.8 lens).

High-speed Full-frame Continuous Shooting

Incredibly fast signal readout of the new CMOS sensor plus enhanced capabilities of DIGIC 5+ processor combine to provide continuous shooting speed of 6.0 fps.

Durable Construction

- A reinforced exterior provides improved dust and water resistance especially on the top face of the camera.
- Body is constructed of rigid, high-strength Magnesium-alloy for rugged performance.
- The shutter is rated to 150,000 cycles.

Dual Card Slots

The EOS 5D Mark III records to CF and/or SD cards. Supporting CF UDMA mode 7, with a maximum data transfer rate of 167 MB/s as well as exFAT maximum file sizes. The camera can use Type I and type II CF recording media or SD cards in Normal formatting or low-level formatting Three recording settings are available: Auto Switch, wherein the camera automatically switches from one card to another when the first is filled; Record Separately, where the same image is recorded to each card but in different sizes or file types; and Record to Multiple, where the same image is saved to both cards in the same size (or sizes). Additionally, images can easily be transferred from one card to the other.

Exposure Control

iFCL Metering with 63-Zone Dual-Layer Sensor

The EOS 5D Mark III features Canon's multi-layer 63-zone iFCL (intelligent Focus Color Luminance) Metering System that integrates the cameras AF system into its readings. By taking into account the color and luminosity surrounding chosen AF point(s), this system delivers improved accuracy of exposure. The metering sensor enables evaluative, center weighted, partial and spot metering, and offers 5-step exposure compensation for evenly exposed images.

Multiple Exposures

The EOS 5D Mark III offers a new multiple exposure mode for film-like image creation with the convenience of in-camera processing. It has a number of different compositing methods for proper exposure and composition, and is also compatible with both RAW and JPEG shooting modes, while results can be observed and corrected in real time on the camera's LCD screen.

High Dynamic Range

High Dynamic Range (HDR) can merge 3 images of varying exposure, in camera, to deliver an image with stunning highlight and shadow detail. Adjustable to cover a range of ±3 stops, and with 5 different effect settings, HDR help produce high-quality images.

EOS HD Video

Full HD Video with Various Frame Rates

The EOS 5D Mark III can record in a choice of H.264 compression modes (All-I and IPB), can shoot at a number of frame rates at up to ISO 25,600 in H mode, all while recording uninterrupted up to 29 minutes, 59 seconds, delivering phenomenal timecoded files with reduced moiré and artifacting.

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New Compression Options Users can now choose between All-I and IPB video compression. All-I compression, while resulting in larger files, is better suited for editing and other post-production because of less demanding decoding requirements. IPB compression is a useful option when smaller files are desirable.

Automatic Splitting of Video Files Should a file exceed 4 GB (FAT limitation), a new file is automatically created, enabling recording to continue without interruption for up to 29 minutes and 59 seconds. Sequential files can later be joined in an editor with seamless results.

Sound Recording Level Adjustment Audio recording level can be manually adjusted over 64 steps. Adjustment can be performed through the Quick Control screen during Live View shooting. Users can enable a Silent Mode, which makes it possible to adjust audio level during record using the Touch Pad – a new touch sensor at the inner periphery of the Quick Control Dial.

Headphone Jack Movie shooting with the EOS 5D Mark III is far more convenient thanks to the addition of a headphone jack that allows the user to listen to and adjust audio levels during recording.

Usability

Intelligent Viewfinder with Approx. 100% Coverage The Intelligent Viewfinder, with approximately 100% coverage, uses a transparent LCD to superimpose a customizable combination of focus points and gridlines. The AF status indicator can be directed to display within or outside of the viewfinder's image area.

Improved Control Layout Ergonomics In addition to new control buttons on front and back of the camera, the EOS 5D Mark III features a newly designed, ergonomic grip and refined rubber coatings surrounding the outer edge of the mode dial as well as the card slot cover, ensuring a comfortable, firm grip.

Comparative Playback Function Comparative playback mode enables images to be played back two at a time, side by side. A tremendous, in-camera timesaver, comparative playback means images can quickly be enlarged simultaneously to compare focus, blur and noise, and can be individually rated, deleted or locked.

Creative Photo Button The EOS 5D Mark III features a new creative photo button for quick access to Picture Styles, Multiple Exposure Mode and HDR mode with the press of a button.

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Multiple Aspect Ratios with Trimming and Grid Display

For multi-format applications, the EOS 5D Mark III can shoot with an aspect ratio of 1:1, 3:2, 4:3 or 16:9 during live view shooting. With gridded overlays, images can be trimmed in-camera with the actual image file cropped in Canon's Digital Photo Pro software.

Dual-Axis Electronic Level

An indicator showing horizontal and vertical tilt can be displayed on the LCD monitor or the Intelligent Viewfinder.

Improved 3.2-inch LCD screen

The EOS 5D Mark III is equipped with a tempered-glass, 3.2-inch, approx. 1.04-million dot Clear View II LCD monitor with a wide 3:2 aspect ratio, perfect for viewing photos and movies as well as menus. An optical elastic polymer in the space between the LCD and protection panel creates a vacuum that combined with various coatings significantly reduces reflections.

Image Processing

Lens Aberration Correction

As with Peripheral Illumination Correction, chromatic aberration in Canon lenses can be corrected at the time of shooting with this advanced feature. The camera will have correction data for a number of EF lenses preloaded at the factory, and users will be able to register new lenses via EOS Utility. The camera can distinguish between different lenses of the same model using the serial number (with compatible EF lenses).

Distortion Correction

The EOS 5D Mark III's new distortion correction feature corrects distortions such as curved lines by correcting for the characteristics of the particular lens used to take the shot. As a result, images that may have been distorted in the captured image appear straight.

In-camera RAW and JPEG Processing

The EOS 5D Mark III features state of the art in-camera RAW processing for quick conversion of RAW files to JPEG with control with control over size, brightness, WB picture Style, Auto Lighting Optimizer, Noise reduction, color space, distortion correction and more.

Image Playback

Quick Setting Function

The Quick Setting function is supported during playback to seamlessly integrate image playback with post-shooting operations. Users can protect images, rotate images, rate, resize JPEG images, process RAW files and display warnings, AF points using the main dial.

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Dedicated Rate/Protect One convenient button provides efficient and quick access to one-touch image management.

Improved Menu Interface To simplify the user interface of the new EOS 5D Mark III, the camera's menu has been updated to allow users to access many AF features for faster and smoother adjustment. Frequently-used C.Fns are grouped into one section to easily gain access to various settings. A handy Help Feature is also available to reduce the need to carry an instruction manual.

In-Camera RAW Processing A RAW image (except S and M RAW) can be processed and saved as a JPEG image in camera. Available adjustments include Brightness, White Balance, Picture Style, ALO, Noise Reduction, JPEG quality, Peripheral Illumination Correction, Distortion Correction and Chromatic Aberration Correction.

Expanded Quick Control Functions during Playback New functions include image protect, image rotate, rating, RAW image processing, resize, highlight alert, AF point and image jump.

Connectivity & Accessories

Battery Grip BG-E11 The EOS 5D Mark III's accessory battery grip is designed with its own multi-controller to enable seamless switches between vertical and horizontal shooting. It can house two LP-E6 batteries for extended shooting.

Speedlite 600EX-RT The new Speedlite 600EX-RT is a high performance flash unit designed for professional users. The Speedlite 600EX-RT provides an expanded zoom range of 200mm and has a Guide Number of approximately 85.3 feet to 196.9 feet (ISO 100 in meters/feet). The Speedlite 600EX-RT features a new radio wireless system, allowing users to trigger up to 15 wireless speedlites using radio wave communication.

Wireless File Transmitter WFT-E7A The new optional Wireless File Transmitter WFT-E7A enables wireless LAN and Bluetooth transfer with the 11n standard, up to 2.5x faster than with previous models.

GPS Receiver GP-E2 The GPS Receiver GP-E2 attaches to the EOS 5D Mark III via USB, offering the same dust and waterproof protection as the camera body itself. It appends location data to images and has a built-in compass.